

HOW SAFE IS YOUR FOOD FROM FARM

October 2021

1. A total of fifteen **Green Chilli** and fifteen **Guava** samples were collected randomly from the market in the area of Hyderguda, Budvel & Diary farm during the month of **October, 2021**. The samples were analyzed for pesticide residues using validated method with confirmatory analysis on LC-MS/MS & GC-MS/MS at 0.01 ppm (Parts per million) level.

2. A total of **nineteen** samples are found with pesticide residues. All the fifteen green chillies are detected with pesticide and **seven** samples are found above FSSAI MRLs with **three** pesticide viz. indoxacarb, novaluron and chlorpyrifos. In case of guava, four guava samples are detected with pesticide residue however no sample is found above FSSAI MRL.

Table 1: Details of pesticides detected in Green Chilli:

Sl. No.	Collection Point	Sample code	Pesticides detected	Recommended/ Non recommended (CIBRC)	Residues mg/kg	FSSAI MRL mg/kg
1.	Hyderguda	LCN/PRA/21/10/0155	Chlothianidin	Not-Recommended	0.03	-
			Tricyclazole	Not-Recommended	0.03	0.30
			Indoxacarb	Recommended	0.03	0.01
2.	Hyderguda	LCN/PRA/21/10/0156	Chlothianidin	Not-Recommended	0.04	-
			Tricyclazole	Recommended	0.03	0.30
			Azoxystrobin	Recommended	0.03	1.00
			Indoxacarb	Recommended	0.04	0.01
3.	Hyderguda	LCN/PRA/21/10/0157	Chlothianidin	Not-Recommended	0.03	-
			Tricyclazole	Recommended	0.03	0.30
			Indoxacarb	Recommended	0.04	0.01
			Tebuconazole	Recommended	0.03	0.40
4.	Hyderguda	LCN/PRA/21/10/0158	Thiamethoxam	Recommended	0.02	0.50
			Chlothianidin	Not-Recommended	0.04	-
			Tricyclazole	Recommended	0.08	0.30

			Novaluron	Recommended	0.04	0.01
			Diflubenzuron	Recommended	0.10	-
			Ethion	Recommended	0.06	1.00
5.	Hyderguda	LCN/PRA/21/10/0159	Thiamethoxam	Recommended	0.03	0.50
			Tricyclazole	Recommended	0.04	0.30
			Azoxystrobin	Recommended	0.03	1.00
			Diflubenzuron	Recommended	0.05	-
			Ethion	Recommended	0.02	1.00
6.	Diary farm	LCN/PRA/21/10/0160	Thiamethoxam	Recommended	0.02	0.50
			Chlothianidin	Not-Recommended	0.04	-
			Tricyclazole	Recommended	0.05	0.30
			Diflubenzuron	Not-Recommended	0.08	-
			Ethion	Recommended	0.03	1.00
			Chlothianidin	Not-Recommended	0.04	-
7.	Diary farm	LCN/PRA/21/10/0161	Tricyclazole	Recommended	0.05	0.30
			Diflubenzuron	Not-Recommended	0.04	-
			Ethion	Recommended	0.02	1.00
8.	Diary farm	LCN/PRA/21/10/0162	Thiamethoxam	Recommended	0.02	0.50
			Chlothianidin	Not-Recommended	0.04	-
			Tricyclazole	Recommended	0.08	0.30
			Indoxacarb	Recommended	0.05	0.01
			Novaluron	Recommended	0.04	0.01
			Diflubenzuron	Not-Recommended	0.07	-
			Ethion	Recommended	0.03	1.00
9.	Diary farm	LCN/PRA/21/10/0163	Thiamethoxam	Recommended	0.03	0.50
			Chlothianidin	Not-Recommended	0.05	-
			Tricyclazole	Recommended	0.06	0.30
			Azoxystrobin	Recommended	0.03	1.00

			Indoxacarb	Recommended	0.04	0.01
			Diflubenzuron	Not-Recommended	0.07	-
			Ethion	Recommended	0.03	1.00
10.	Diary farm	LCN/PRA/21/10/0164	Chlothianidin	Not-Recommended	0.05	-
			Tricyclazole	Recommended	0.07	0.30
			Diflubenzuron	Not-Recommended	0.07	-
			Ethion	Recommended	0.03	1.00
11.	Budvel	LCN/PRA/21/10/0165	Thiamethoxam	Recommended	0.03	0.50
			Chlothianidin	Not-Recommended	0.04	-
			Tricyclazole	Recommended	0.05	0.30
			Diflubenzuron	Not-Recommended	0.06	-
			Ethion	Recommended	0.02	1.00
12.	Budvel	LCN/PRA/21/10/0166	Chlothianidin	Not-Recommended	0.03	-
			Tricyclazole	Recommended	0.05	0.30
			Azoxystrobin	Recommended	0.02	1.00
			Diflubenzuron	Not-Recommended	0.09	-
			Ethion	Recommended	0.03	1.00
13.	Budvel	LCN/PRA/21/10/0167	Monocrotophos	Recommended	0.14	0.20
14.	Budvel	LCN/PRA/21/10/0168	Myclobutanil	Recommended	0.03	0.20
			Chlorpyrifos	Not-Recommended	0.23	0.20
			Hexaconazole	Recommended	0.04	
15.	Budvel	LCN/PRA/21/10/0169	Myclobutanil	Recommended	0.03	0.20
			Chlorpyrifos	Not-Recommended	0.16	0.20
			Hexaconazole	Recommended	0.03	0.50

Table 2: Details of pesticides detected in Guava

S. No.	Collection Point	Sample code	Pesticides detected	Recommended/ Non recommended	Residues mg/kg	FSSAI MRL mg/kg
1.	Hyderguda	LCN/PRA/21/10/0172	Monocrotophos	Not-Recommended	0.02	0.20
2.	Diary farm	LCN/PRA/21/10/0176	Monocrotophos	Not-Recommended	0.03	0.20
3.	Diary farm	LCN/PRA/21/10/0177	Monocrotophos	Not-Recommended	0.03	0.20
4.	Budvel	LCN/PRA/21/10/0181	Acephate	Not-Recommended	0.02	-

Note: MRL- Maximum Residue Limit, CIBRC- Central Insecticide Board & Registration committee